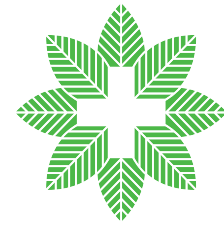


# SwissPlant Symposium 2019

30 January – 1 February 2019, Meiringen, Switzerland



[www.spsw.ch](http://www.spsw.ch)

## Program

### Wednesday, 30 January 2019

- 15h30 *Swiss Plant Science Web strategic meeting for SPSW members*
- 17h00 *Welcome drink*
- 17h30 Welcome by Thomas Boller, SPSW chair
- 17h35 Opening remarks by the organizing committee
- Session I, DNA Remodeling
- 17h40 **Sylvain Bischof**, U Zurich: *Epigenetic regulation of gene expression*
- 18h00 **Kirsten Bomblies**, John Innes Centre, UK: *How to tango with four: Meiotic adaptation to whole genome duplication*
- 18h00 **Emmanuel Boutet**, SIB: *Enhanced plant enzyme annotation in UniProtKB supports integrated analyses and exploitation of protein and metabolite data*
- 18h40 *Dinner*
- Session II, Physiology
- 20h00 **Barbara Pfister**, ETH Zurich: *Towards a holistic understanding of starch biosynthesis*
- 20h20 **Felix Kessler**, U Neuchâtel: *Role for DELLA in early chloroplast biogenesis*
- 20h40 **Michael Hothorn**, U Geneva: *Inositol pyrophosphate signaling networks – phosphate homeostasis and beyond*
- 21h00 **Niko Geldner**, U Lausanne: *Quality control - how the SCHENGEN receptor pathway is testing root barrier integrity*
- 21h20 *Get-together at the hotel bar*

### Thursday, 31 January 2019

- 07h00 *Breakfast begins*
- Session III, Pathogens/Immunology
- 08h00 **Cyril Zipfel**, U Zurich: *The kinase BIK1 orchestrates ion movements across the plasma membrane during plant immunity*
- 08h20 **Klaus Schläppi**, U Bern: *Plant root microbiome interactions: Communication, traits and opportunities for smart farming*
- 08h40 **Andrea Sánchez-Vallet**, ETH Zurich: *Host specialization in fungal pathogens*
- 09h00 **Ora Hazak**, U Fribourg: *Discovering new signaling pathways in plant adaptation to changing environment*
- 09h20 **Edward Farmer**, U Lausanne: *Long-distance electrical signals in Arabidopsis leaves*
- 09h40 *Coffee break*

Session IV, Ecology/Evolution 1

10h10 **Anna-Liisa Laine**, U Zurich: *The role of pathogens in driving host evolution and population dynamics in the wild*

10h30 **Christian Parisod**, U Bern: *Impact of variation in nucleotides and transposable elements on linkage along chromosomes in natural populations of Arabis alpina (Brassicaceae)*

10h50 **Sergio Rasmann, U Neuchâtel**: *Micro- and macro-evolutionary trends in plant-herbivore-predator interaction along environmental gradients*

11h10 **Felix Gugerli, WSL**: *Environmental association analysis based on exome capture indicates candidate genes for adaptation to local site conditions in Pinus cembra*

11h30 **Meredith Schuman**, U Zurich: *Towards remote sensing of intraspecific variation*

11h50 *Leisure time (lunch on your own, skiing, hiking, snowshoeing...)*

17h00 *Poster session (with apéro)*

18h30 *Dinner*

Session V, Pathogens/Immunology 2

20h20 **Matthias Erb**, U Bern: *Specialized metabolites – a curse and a blessing for plants*

20h40 **Ted Turlings**, U Neuchâtel: *Insects may manipulate the release of plant volatiles to enhance the suitability of neighboring plants as host for their offspring*

21h00 **Laurent Zimmerli**, National Taiwan U: *FLAGELLIN SENSING2-ASSOCIATED KINASE1 regulates Arabidopsis abscisic acid-dependent stomatal immunity*

## Friday, 1 February 2019

07h00 *Breakfast begins*

Session VI, Ecology/Evolution 2

08h00 **Verena Schuenemann**, U Zurich: *Integrating ancient DNA into plant genomics*

08h20 **Simon Aeschbacher**, U Zurich: *Exploring speciation history through the joint inference of selection and gene flow*

08h40 **Yamama Naciri**, U Geneva & CJB: *Species delimitation in Capurodendron Aubrév. (Sapotaceae) using an integrative approach: patterns of diversification in an endemic genus of Madagascar*

09h00 **John Pannell**, U Lausanne: *Rapid breakdown of dioecy by experimental evolution*

09h20 **Kentaro Shimizu**, U Zurich: *Advantages and disadvantages of polyploidy, revisited*

09h40 *Coffee break*

Session VII, Development

10h10 **Luis Lopez-Molina**, U Geneva: *The role of the endosperm in Arabidopsis early post-embryonic development*

10h30 **Joop Vermeer**, U Zurich: *Cytoskeleton dynamics shape lateral root formation in Arabidopsis*

10h50 **Antía Rodríguez-Villalon**, ETH Zurich: *Xylem differentiation and vacuolar loading: an intertwined road*

11h10 **Vinicius Costa Galvão**, U Lausanne: *PIF transcription factors link a neighbor threat cue to accelerated reproduction in Arabidopsis*

11h30 **Clara Sánchez-Rodríguez**, ETH Zurich: *A Golgi-localized glycosyltransferase mediates the response of plant cells to cellulose perturbations*

11h50 *Closing remarks*

